

THE FOLLOWING IS CLAIMED:

- 5 1) A curable composition comprising at least one epoxy functional compound, and about 5 to about 20 wt. percent of at least one metal acrylate curing agent.
- 10 2) A heat curable composition comprising at least one curable compound, and at least one metal acrylate curing agent wherein the composition is substantially free of peroxides, amines, polyamide, acid functional curing agents, dicyandiamide, polysulfides, anhydrides, melamine, urea and imidazole compounds.
- 15 3) The composition of Claim 1 wherein the composition comprises a tape.
- 4) The composition of Claim 1 wherein the composition comprises a coating.
- 20 5) The composition of Claim 3 wherein the tape is reinforced.
- 6) The composition of Claim 5 wherein the reinforcement comprises at least one member selected from the group consisting of scrim, web, matte, mesh, perforated or unperforated films and woven or unwoven assemblage.
- 25 7) The composition of Claim 2 wherein the composition comprises an automotive sealant.
- 8) The composition of Claim 2 wherein the compound comprises at least one member selected from the group consisting of polybutadiene, melamine, isocyanates, bis A epoxy, bis F, cycloaliphatic epoxy, novolac compounds and epoxy esters.
- 30 9) The composition of Claim 1 wherein the composition further comprises at least one filler selected from the group consisting of at least one silicate, silica, trihydrates, carbonates, bitumins, and clays.
- 35 10) The composition of Claim 1 wherein the composition further comprises at least one additive selected from the group consisting of metal powders, magnetic materials, ceramic powders, plastic powders and resins.
- 40 11) The composition of Claim 3 wherein the composition further comprises at least one reinforcement.
- 12) The composition of Claim 11 wherein the reinforcement comprises at least one of fibers or film.
- 45 13) The composition of Claim 2 further comprising at least one complexing agent selected from the group consisting of zirconates and titanates.

5            14) The composition of Claim 1 wherein the metal acrylate curing agent comprises at least one member selected from the group consisting of zinc diacrylate, zinc dimethacrylate, magnesium diacrylate, mixtures thereof and aqueous solutions thereof.

10            15) The composition of Claim 2 wherein the metal acrylate curing agent comprises at least one of zinc diacrylate and dimethacrylate.

15            16) The composition of Claim 14 wherein the metal acrylate curing agent comprises at least one of zinc diacrylate, dimethacrylate and magnesium diacrylate.

20            17) The composition of Claim 1 further comprising at least one member selected from the group consisting of silanes and polysiloxanes.

25            18) The composition of Claim 1 further comprises boron nitride.

30            19) The composition of Claim 4 wherein the coating comprises at least one member selected from the group consisting of epoxy functional e-coatings and epoxy functional powder coatings.

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